

Wireless Burglar Alarm system

(Model No.ATS-502)

Operation Instruction

Before operating the system, please read this manual thoroughly, and retain it for future reference.

WIRELESS BURGLAR ALARM SYSTEM

1*SPECIFICATION:

1.1 INTRODUCTION:

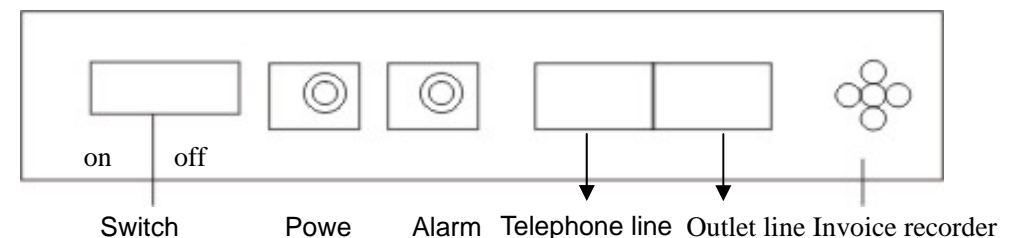
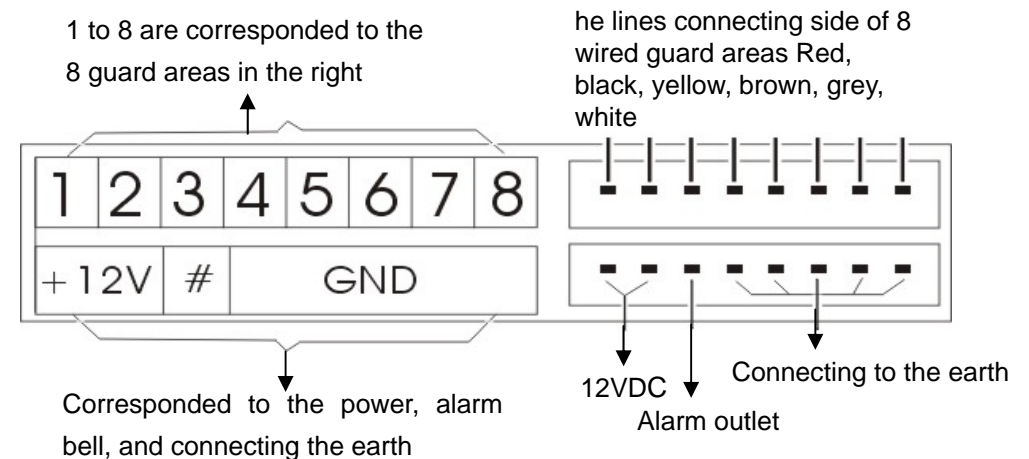
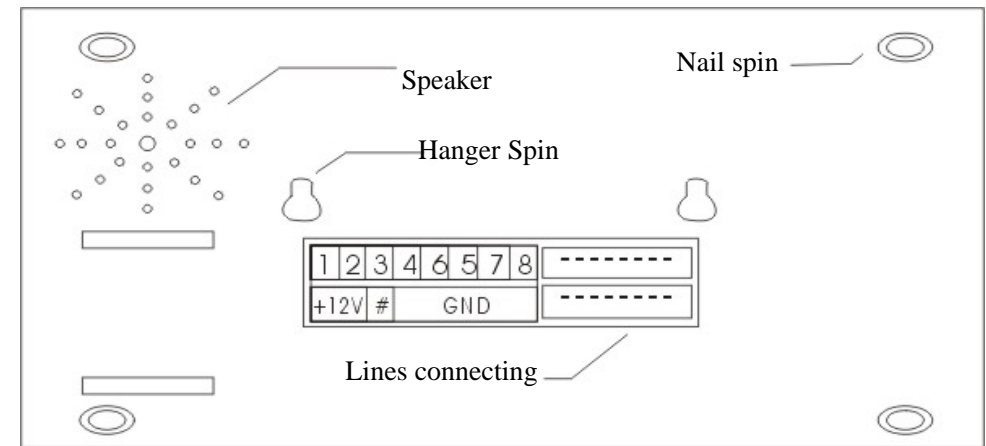
- *8 wired zone, 8 wireless zone, each zone can be partial armed.
- *Quickly number communicate way, use Ademco4+2 communication agreement to transfer the signal to the alarm center.
- *There could be 4 groups of police calling number, one group of center police calling number, recycling call.
- *5 guarding ways: left guarding, perimeter guarding, single guarding area guarding, delay guarding and remote guarding.
- *5 kinds of guarding: instant guarding area, delay guarding area, 24 hours of guarding area, perimeter guarding area and side guarding area
- *4 kinds of off guarding way: code keyboard off guarding, wireless remote control off guarding, remote off guarding and accept call off guarding
- *3 kinds of controlling way: keyboard, remote control and remote call
- *Receiving call center, telephone and local alarm to recycle alarming
- *inside monitor to remote knowing the scene situation
- *inside voice module, could record invoice for nearly 20 seconds for voice-alarm
- *use remote controller to set guard, off guard and urgent alarm
- *4 numbers of user code are used for protecting the system security, it could be modified by user.
- *it could dials 4 sets of telephone number and one set of center number
- *recorder, monitor, remote control, guard area control, telephone line checking and its relative parameter, they could be set by the system keyboard
- *it can use the main sets keyboard to operate, simpler and easy.
- *wired guard area could be open or close, easy to install
- *LED light direction
- *has the guard dog function, can void shutdown
- *accept CPU tiny dispose, SMT manufacture to be a stable capability

1.2 Parameter:

- *operated: DC12-18V. 40mA
- *alarm: high than 400mA, 12V power < 1W
- *wireless receive frequency: 315MHZ/433MHZ
- *temperature: -10-55°C humidity: 40-70%
- *size: 160mm*115mm*40mm weight: 0.8kg

2*INSTALLATION

2.1 Back picture of the main unit



2.2. The installation of raw lines.

2.2.1 There're 2 rows of 8 lines. The first row is guard area lines in 8 colors. Red, black, yellow, green, blue, brown, gray, and white, different color means different guard area; the second row lines are in 3 colors, 2 red lines are connected to +12v current, one yellow line connect to alarm +outlet, 5 lines are GND

2.2.2. The first row is in the upper, the second row is in the bottom.

2.2.3. The situation when needed row lines. * when not connected to wired detectors; * power plug and bell use the pin.

2.3 power connecting

2.3.1 The first connecting way: let the DC12V power line connected to the power pin, and let the power plug connected to the power input.

2.3.2 The second connecting way; let DC12V+ power line connected to the red line which in the second row, DC12V- power line connected to the GND (any black line is ok).

2.4 wired detectors connecting

2.4.1 The way of connecting the signal line: let the one side connected to relevant guard area line in the first row, the other side connected to the second row line (any black line is ok)

2.4.2 The way of connecting the power: let the wired detector + connected to the red line which in the second row, let the wired detector – connected to the GND which in the second row (any black line is ok)

2.4.3 The other guard area which didn't used ples connected to the GND which in the second row (any black line is ok)

2.5 connecting of bell

2.5.1 The first way: let the bell connected to the bell pin, and let the pin connected to the bell outlet which in the side of the main unit.

2.5.2 The second way: let the bell + connected to the yellow line which in the second row, the bell- connected to the GND black line (any black line is ok)

2.6. Connecting of phone lines: telephone line to the telephone outlet, the one side of the external line connects to the main unit, the other side connects to the telephone set

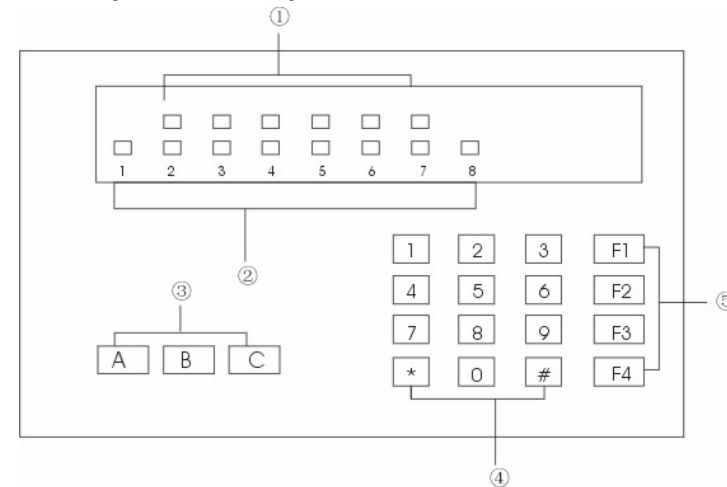
2.7 The installation of the main unit: let the holder fixed to the wall, and let the holes connected to the relevant holes..

3.* SYSTEM OPERATION

3.1 remote controller:

3.1.1: A- off guard; B+D, set guard; C- emergency; off alarm: press A in two successive times

3.2 the picture of the panel



- ① :a. Power
- b. Guarding
- c. Communication
- d. Detector voltage
- e. program
- f. Wireless signal

- ①. function LEDs
- ②. guard areas LEDs
- ③. emergency keys
- ④. number keys
- ⑤. celerity keys

3.3 Set guarding

3.3.1 left guarding: all the guarding areas are in the alarm states. If any guard area touched off, the main would alarm, and dial the phone call of the police, the stored phone number or the local police system..

3.3.2 press F1 key or use remote controller to set left guard

3.4. perimeter guarding:

3.4.1 perimeter guard area in the alarm states. Other guard area would not alarm though touched off.

3.4.2 operation: press F2 to set guard

3.5 single guarding area:

3.5.1 the chosen guard area into the guard situation, other area when

touched off would not alarm.

3.5.2 operation: guard area number + F1 press key

3.6 set off guarding

3.6.1 operation: user's code +F4

3.7 set off alarm

3.7.1 operation: user's code + F4

Chapter 4

4.1 the basic set in the factory

	Name	The basic set and instruction
1	Code of installer	666666
2	Code of user	1234
3	Type of zone	0---instant alarm zone
4	Wired zone	1-effect
5	Report code	1-send
6	Telephone remote controller	0-ineffect
7	The alarming times	8-8 times
8	Delaying alarm	0- no delaying
9	Telephone line detect	No detect
10	Centre transmission code	An da 4+2
11	Recording	/
12	Wireless detectors	/
13	User's code number	FFFF
14	Alarming telephone number	/

Attention: Item one to ten will be renewed to the basic setting in the factory after replacement.

4.2 Replacement

1. turn the switch to OFF (in the side of main unit)
2. operating : 951753082+ F4
3. state: after the replacement, the buzzer will di....., all the LED indicating lights will be on for 1 second.
4. turn the switch to the ON

4.3 Setting

1. turn the switch to OFF (in the side of main unit)

2. operating : installer's code(6 numbers)+ F4(affirmance button) (the installer's code in the factory is 666666)

3. state: after the setting, the buzzer will di....., the program LED indicating light will be on.

4.4 Exit setting

1. operate: *#
- 2.state: after the exiting, the buzzer di....., the setting light off,Or after 30 seconds, exit automatically.
- 3.turn the switch to the ON

4.5 change the installer's code

1. join the setting state
2. format: 30+new installer's code(6 numbers)+ F4(affirmance button)
3. after the long di.....,exit the setting state(refer to 4.4), the new installer's code will be effective.

4.6 change the user's code

1. the former user's code(4 numbers)+08+ F4(affirmance button), setting LED light will be on (the user's code in the factory is 1234)
2. input the new user's code (4 numbers) + F4(affirmance button),after the long di.....,the setting indicating light will be off, the new user's code will be effective.

4.7 record and broadcasting

1. turn the switch to OFF (in the side of main unit)
2. join the state of recording and broadcasting: the user's code+68+ F4(affirmance button), the setting indicating light will be on.
3. record: under this state, push button 1 during the 20 seconds' recording.
4. broadcasting: under this state, push button 2 during listening the 20 seconds' recording.
5. you can repeat this operating until you are content.
6. push *# to exit the recording and broadcasting state or after 30 seconds, it exits automatically.
7. turn the switch to the ON

4.8 the information about the wireless detector' code learning

1. operate under the setting state
2. choose the zone you want to learn code: 20+ zone number(2 numbers)+ F4(affirmance button). The zone number is 01-08,indicating 1-8 zones. The

light will be on to indicate accordingly zones.9-16zones can be learned codes for the remote controller's alarming and disalarming. They haven't the LED indicating lights and don't occupy the useful zone resource.

3. code marching: push the remote controller or touch off the detector to let the detector sent signals.The wireless signal indicating light in the main unit will be on after the main unit get the signals. This means that the main unit get the signal and then remember it to the indicating zone.

Attention: the signal getting indicating light won't be off if the detector stops sending signals.

4. push the F4(affirmance button), the indicating light of the accordingly zone will be off. And the learning is over.

5. repeat step 2-4 to continue learning new remote controller or wireless detectors

6. exit setting state

7. touch off the detector, the main unit will identify the detector according to the learned zone.

Attention: the system will delete the original remembering when learning the new zone if the remote controller or detector have learned a zone.

4.9 delete the learned code of wireless detector

1. operate under the setting state

2. delete the learned code of wireless detector: 21+zone number(2 numbers)+ F4(affirmance button). The zone number is same with the learned so that the remote controller or detector will be deleted

3. repeat step 2 if continuing deleting the remote controller or detector in other zones.

4. exit the setting state

5. delete the touch off of the detector, the wireless indicating light in the main unit won't be on

4.10 zone model and setting of the outputting of the alarm sound

1. under setting state

2. model: zone number(2 numbers)+ zone model(1 number)+alarming state(1 number)+ F4(affirmance button),Zone number 01-08 indicate zone 1 to zone 8.

Models of zones : 0 is instant alarming zone;1-3 is delaying alarming zones(1: delaying 13seconds,2: delaying 26 seconds,3: delaying 39 seconds);4 is 24 hours' zone; 5 is around alarming zone (outside alarming zone) 7 beside alarming zone. The setting in the factory is 0 zone.

State of alarming sound: 0 is silent alarming ,1 is sound alarming. The factory setting is 1

3. exit the setting state

4.11 setting of the user's code number(centre code number): the input panel number(4 numbers) distributed by the alarming centre when connected to the panel

1. operate under the setting state (refer to 4.3)

2. set the user's code number: 31+ 4 numbers' user's code number+ F4(affirmance button);Delete the user's code number: 32+ F4(affirmance button)

3. exit the setting state

Attention: don't set this item if not connected to the pannel

4.12 set the time of delaying alarm

1. under the setting state (refer to 4.3)

2. model:40+time+ F4(affirmance button) time is 00-90 second

3. exit the setting state (refer to 4.4)

4.13 set the alarming telephone number

1.under setting state(refer to 4.3)

2. set alarming telephone number

The set of joining the alarming centre:50+telephone number+ F4(affirmance button) (forget about it if don't connect to the panel)

Delete the phone number of joining the alarming centre:51+ F4(affirmance button)

Set first telephone number: 51+telephone number+ F4(affirmance button)

Delete first telephone number: 51+ F4(affirmance button)

Set second telephone number: 52+telephone number+ F4(affirmance button)

Delete second telephone number: 52+ F4(affirmance button)

The third: set: 53+telephone number+ F4(affirmance button)

Delete: 53+ F4 (affirmance button)

The forth: set: 54+telephone number+ F4 (affirmance button)

Delete: 54+ F4 (affirmance button)

3. exit setting state (refer to 4.4)

4. the information sent when dialing the centre telephone: Restartup of the system,setting,replacement, alarming, disalarming, ABCemergent alarming,

zone alarming, zone regain

5. message of .dialing the first to forth group: ABC emergent alarming(stop dialing the number after alarming and broadcasting the voice message and won't be effected by the setting and alarming and disarming),Zone alarming: (it will stop dialing the phone number immediately after disarming)

6. setting the telephone : set the telephone number according to how you will dial the number. There should be a pause when internal line changes to exterior line and push F3 and then continue input the rest phone numbers.

Attention:

1. better.delete well before setting the phone number
2. dial from centre phone number to group 1 to group 4....dial ten rounds if haven't get the signal
3. If disarming the 4 groups, it won't effect the centre number and the four groups will stop dialing the telephone number immediately

4.14 set the report transmission

1. under setting state (refer to 4.3)
- 2.model:70+state+ F4 (affirmance button);State: 0 is don't transmit,1 is transmission (set 1 in the factory)
- 3.exit setting state (refer to 4.4)

4.15 remote controller setting

1. under setting state (refer to 4.3)
2. model:71+state+ F4 (affirmance button);State: 0 is can't remote controll,1 is can remote control (set 0 in the factory)
3. exit setting state (refer to 4.4)

4.16 set the remote controller's alarming times

1. under setting state (refer to 4.3)
- 2.model:72+times+ F4 (affirmance button);Times: 1-8 times (set 8 in the factory)
- 3.exit setting state (refer to 4.4)

4.17 set the wired zone's shield or open

1. under setting state (refer to 4.3)
- 2.model:73+state+ F4 (affirmance button);State: 0 wired zone's shielding,1 wired zone's opening (set 1 in the factory)
- 3.exit setting state (refer to 4.4)

4.18 set the phone line testing's shielding or opening

1. under setting state (refer to 4.3)

2.model:78+state+ F4 (affirmance button);State: 0 don't test telephone line, 1 test telephone line. It will alarm when the telephone line is cut off (set 0 in the factory)

- 3.exit setting state (refer to 4.4)

4.19 set the code of the message agreement of alarm centre

1. under setting state (refer to 4.3)
2. model:77+state+ F4 (affirmance button);State: 1 is anda 4+2 code,2 is 4+2 programmable code(refer to 4.20)(set 1: anda 4+2 code in the factory)
- 3.exit setting state (refer to 4.4)

4.20 set programmable 4+2 code

1. under setting state (refer to 4.3)
2. mode:77+2+ F4 (affirmance button) to join the programmable setting, X is the code of programming content.Y is zone number or the user's code number

State	code address +X+Y+F4 (affirmance button)
Stare the system	60+ X+Y+F4 (affirmance button)
Alarm	61+ X+Y+F4 (affirmance button)
Disalarm	62+ X+Y+F4 (affirmance button)
Alarming with sound	63+ X+Y+F4 (affirmance button)
Programming's finishing	64+ X+Y+F4 (affirmance button)
Low VAC of the detector	65+ X+Y+F4 (affirmance button)
Resume the zone	66+ X+Y+F4 (affirmance button)
Button A	67+ X+Y+F4 (affirmance button)
Button B	68+ X+Y+F4 (affirmance button)
Button C	69+ X+Y+F4 (affirmance button)

- 3 exit the state of setting obstruction (refer to 4.4)

Changeable table	
Hexadecimal	ACCORDINGLY BUTTON
A	*0
B	*1
C	*2
D	*3
E	*4
F	*5